



FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

520.43141X00

10/661,574

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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APPLICANT
K. OKADA, et al

FILING DATE
September 15, 2003

GROUP
2182

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	4 0 2 5 9 0 4	5/77	Adney et al			
JP	5 4 0 8 4 6 5	4/95	Gusella et al			
JP	5 4 5 9 8 5 7	10/95	Ludlam et al			
JP	5 5 0 4 8 8 2	4/96	Chai et al			
JP	5 6 8 0 5 8 0	10/97	Beardsley et al			
JP	5 8 7 0 5 3 7	2/99	Kern et al			
JP	5 8 9 5 4 8 5	4/99	Loechel et al			
JP	5 9 1 7 7 2 3	6/99	Binford			
JP	5 9 5 6 7 5 0	9/99	Yamamoto, et al			
JP	6 0 1 2 1 2 3	1/00	Pecone et al			
JP	6 0 9 8 1 2 9	7/00	Fukuzawa et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
JP	0 9 2 8 8 5 4 7	11/97	Japan			XX	
JP	1 0 2 8 3 2 7 2	10/98	Japan			XX	
JP	2 2 9 3 3 1 7	10/00	Japan			XX	
JP	2 0 6 7 1 8 7	3/01	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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sp	6 1 7 3 3 7 4	1/01	Hell, et al			
sp	6 2 1 9 7 5 3	4/01	Richardson			
sp	6 2 4 7 0 9 9	6/01	Skazinski et al			
sp	6 2 4 7 1 0 3	6/01	Kern et al			
sp	6 4 4 6 1 4 1	9/02	Nolan et al			
sp	6 4 4 6 1 7 5	9/02	West et al			
sp	6 4 8 4 1 7 3	11/02	O'Hare, et al			
sp	6 4 9 0 6 5 9	12/02	McKean et al			
sp	6 5 2 3 0 9 6	2/03	Sanada et al			
sp	6 5 2 9 9 7 6	3/03	Fukuzawa et al			
sp	6 5 5 3 4 0 8	4/03	Merrell et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
sp	2 1 5 7 0 9 1	5/02	Japan			XX	
sp	2 2 3 0 2 4 6	8/02	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

sp	White Paper, "Network Attached Storage in the Data Protection Environment", Sony Electronics Inc., Feb. 2002, pps. 1-23.
sp	S. Sicola, "SCSI-3 Fault Tolerant Controller Configurations Utilizing SCC & New Event Codes", High Availability Study Group, Doc. No. X3T10 95-312r3, Rev. 3.0, Feb. 28, 1996, pp. 1-4.

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2 0 0 1	0 0 5 0 9 1 5	12/01	O'Hare et al			
2 0 0 1	0 0 5 2 0 1 8	12/01	Yokokura			
2 0 0 2	0 0 0 4 8 5 7	1/02	Arakawa et al			
2 0 0 2	0 1 3 3 7 3 5	9/02	McKean et al			
2 0 0 2	0 1 5 6 8 8 7	10/02	Hashimoto			
2 0 0 3	0 0 3 7 0 7 1	2/03	Harris et al			
2 0 0 3	6 3 5 6 9 7 7	3/02	Ofek et al			

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	2 0 0 3	0	0	5	1	1	0	9	3/03	Cochran			
	2 0 0 3	0	0	5	6	0	3	8	3/03	Cochran			
	2 0 0 3	0	0	9	7	6	0	7	5/03	Bessire			
	2 0 0 3	0	1	0	1	2	2	8	5/03	Busser et al			
	2 0 0 3	0	1	1	5	4	3	2	6/03	Biessener et al			

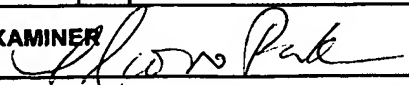
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.

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<i>sp</i>	2 0 0 3	0	1	2	6	3	2	7	7/03	Pesola et al			
	2 0 0 3	0	1	4	5	1	6	8	7/03	LeCrone et al			
	2 0 0 3	0	1	5	8	9	9	9	8/03	Hauck et al			
	2 0 0 3	0	1	6	7	4	1	9	9/03	Yanai et al			
	2 0 0 3	0	2	0	0	3	8	7	10/03	Urabe et al			
	2 0 0 3	0	2	0	4	5	9	7	10/03	Arakawa et al			
<i>sp</i>	2 0 0 3	0	2	1	2	8	6	0	11/03	Jiang et al			

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<i>sp</i>	2 0 2 1 0 7 7 0 0 3	11/03	Ohno et al			
<i>sp</i>	2 0 0 0 3 0 2 2 0 0 4	1/04	Garrison et al			
<i>sp</i>	2 0 0 4 9 5 5 3 0 0 4	3/04	Iwamura et al			
<i>sp</i>	2 0 0 5 4 8 5 0 0 0 4	3/04	Fisk			
<i>sp</i>	2 0 0 6 4 6 1 0 0 0 4	4/04	Fukuzawa et al			
<i>sp</i>	2 0 0 6 4 6 4 1 0 0 4	4/04	Kodama			
<i>sp</i>	2 0 1 1 1 4 8 5 0 0 4	6/04	Mimatsu et al			

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<i>sp</i>	2 0 0 4	0	1	2	3	1	8	0	6/04	Soejima, et al			
<i>sp</i>	2 0 0 4	0	1	4	3	8	3	2	7/04	Yamamoto, et al			
<i>sp</i>	2 0 0 4	0	1	4	8	4	4	3	7/04	Achwa et al			
<i>sp</i>	2 0 0 4	0	1	7	2	5	1	0	9/04	Nagashima et al			
<i>sp</i>	2 0 0 4	0	2	3	0	9	8	0	11/04	Koyama et al			
<i>sp</i>	2 0 0 4	0	2	6	0	8	7	5	12/04	Murotani et al			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>sp</i>		Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANSymphony Software" White Paper, DataCore Software, updated July 2003, pp. 1-8.
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Shawn Park

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<i>dp</i>	5 1 5 5 8 4 5	10/92	Beal et al			
<i>dp</i>	2 0 2 6 0 9 6 6	12/04	Kalya et al			
<i>dp</i>	2 0 0 2 9 3 2 6	3/02	Reuter et al			
<i>dp</i>	2 0 0 0 3 0 2 2	1/02	Csida et al			
<i>dp</i>	2 0 0 2 6 5 5 8	2/02	Reuter et al			
<i>dp</i>	2 0 0 1 9 9 2 0	2/02	Reuter et al			
<i>dp</i>	2 0 0 1 9 9 2 2	2/02	Reuter et al			
<i>dp</i>	2 0 0 1 9 9 2 3	2/02	Reuter et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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Shon Park

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<i>JP</i>	6 1 9 5 7 3 0	2/01	West			
<i>JP</i>	2 0 0 1 9 9 0 8	2/02	Reuter et al			
<i>JP</i>	2 0 0 6 5 8 6 4	5/02	Hartsell, et al			
<i>JP</i>	2 0 0 8 7 5 4 4	7/02	Selkirk, et al			
<i>JP</i>	2 0 0 1 0 3 8 8 9	8/02	Markson, et al			
<i>JP</i>	2 0 0 1 1 2 1 1 3	8/02	Karpoff, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
<i>JP</i>	9 7 0 9 6 7 6	3/97	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>Shawn Patel</i>	DATE CONSIDERED	<i>7/20/06</i>
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<i>sp</i>	2 0 0 2	0	1	5	6	9	8	4	10/02	Padovano			
	2 0 0 2	0	1	5	6	9	8	7	10/02	Gajjar, et al			
	2 0 0 2	0	1	7	8	3	3	5	11/02	Selkirk, et al			
	2 0 0 2	0	1	8	8	5	9	2	12/02	Leonhardt, et al			
	2 0 0 5	0	2	4	0	7	4	1	10/05	Nagasawa et al			
<i>sp</i>		5	9	7	8	8	9	0	11/99	Ozawa et al			

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													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>sp</i>	P. Sarkar, et al "Internet Protocol Storage Area Networks", IBM Systems, Journal, vol. 42, No. 2, 2003, pp. 218-231.
<i>sp</i>	E. Anderson, et al, "Hippodrome: Running Circles Around Storage Administration", Hewlett-Packard Laboratories, pp. 14.

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	2 0 0 4	0	0	6	8	6	3	7	4/04	Nelson et al			
	2 0 0 3	0	2	2	9	6	4	5	12/03	Nelson et al			
	2 0 0 5	0	0	3	3	8	7	8	2/05	Mogi et al			
	2 0 0 4	0	1	3	9	2	3	7	7/04	Pangal et al			
<i>dp</i>	2 0 0 3	0	1	1	5	2	1	8	6/03	Bobbitt et al			

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<i>SP</i>	6 8 5 7 0 5 7	2/05	Nelson et al			
<i>SP</i>	6 9 7 3 5 4 9	12/05	Testardi			
<i>SP</i>	6 9 7 6 1 0 3	12/05	Watanabe et al			
<i>SP</i>	3 7 7 1 1 3 7	11/73	Barner et al			

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					YES NO
0 3 0 2 3 6 4 0	3/03	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SP</i>	JP 10-508967 (PCT equivalent WO 97/09676).

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	6 6 4 7 3 8 7	11/03	McKean et al			
	6 7 7 2 3 1 5	8/04	Perego			
	R E 3 7 3 0 5	7/01	Chang et al			
	2 0 0 1 3 8 1 8 4	6/05	Amir			
	2 0 0 5 4 8 6 6	3/04	Blumenau et al			
sp	2 0 0 4 0 0 2 8 0 4 3	2/04	Mavelli et al			

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sp	"SANRAD Application Note: Migrating Individual Servers to an iSCSI SAN", APP-004-01, SANRAD 2003, pp. 1-15.
sp	"SANRAD Application Note: Data Migration Solution Transferring Data Between Storage Systems Over Fibre-Channel or SCSI Connections, APP-003-03, SANRAD 2003, pp. 1-9.
sp	"White Paper - Celerra Data Migration Service (CDMS)", EMC Corporation, Jan. 2002, pp. 1-13.

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<i>↑</i>	2 0 0 2	9/02	Terrell et al			
	2 0 0 3	10/03				
	2 0 0 5	01/05	Tremblay et al			
	4 7 1 0 8 6 8	12/87	Cocke et al			
<i>↓</i>	6 3 4 1 3 2 9	1/02	LeCrone et al			
<i>SP</i>	6 6 8 1 3 0 3	1/04	Watabe et al			

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	5 8 3 5 9 5 4	11/98	Duyanovich et al	711	162	
	6 1 0 8 7 4 8	8/00	Ofek et al	711	112	
	6 2 3 0 2 3 9	5/01	Sakaki et al	711	112	
	6 2 4 0 4 8 6	5/01	Ofek et al	711	112	
	6 4 5 7 1 3 9	9/02	D'Errico et al	714	5	
	6 6 4 0 2 9 1	10/03	Fujibayashi et al	711	162	
	6 8 2 6 7 7 8	11/04	Bopardikar et al	725	145	
	6 8 1 6 9 4 8	11/04	Kitamura et al	711	152	

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45	5 5 4 8 7 1 2	8/96	Larson et al	714	7	
1	5 6 8 0 6 4 0	10/97	Ofek et al	710	19	
2002	0 1 9 4 5 2 3	12/02	Ulrich et al	714	4	
2003	0 1 8 2 5 2 5	9/03	O'Connell et al	711	162	
2005	0 0 8 1 0 0 9	4/05	Williams et al	711	163	
2005	0 0 1 0 7 3 4	1/05	Soejima et al	711	163	
2003	0 1 4 5 1 6 9	7/03	Nagasawa et al	711	117	
45	7 0 5 1 1 2 1	5/06	H. Ohno, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
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Steven Pat

DATE CONSIDERED

7/20/06

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